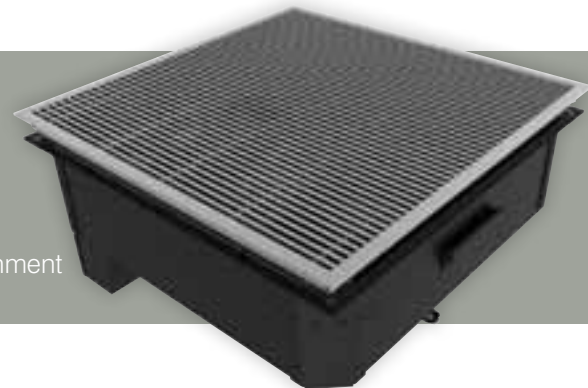




AireTile™

Up to 1.2m³/s

- + Boosts cooling efficiency via active air distribution
- + Eliminates hot spots
- + Four model types with different levels of functionality
- + Ideal for additional cooling of high density racks and aisle containment

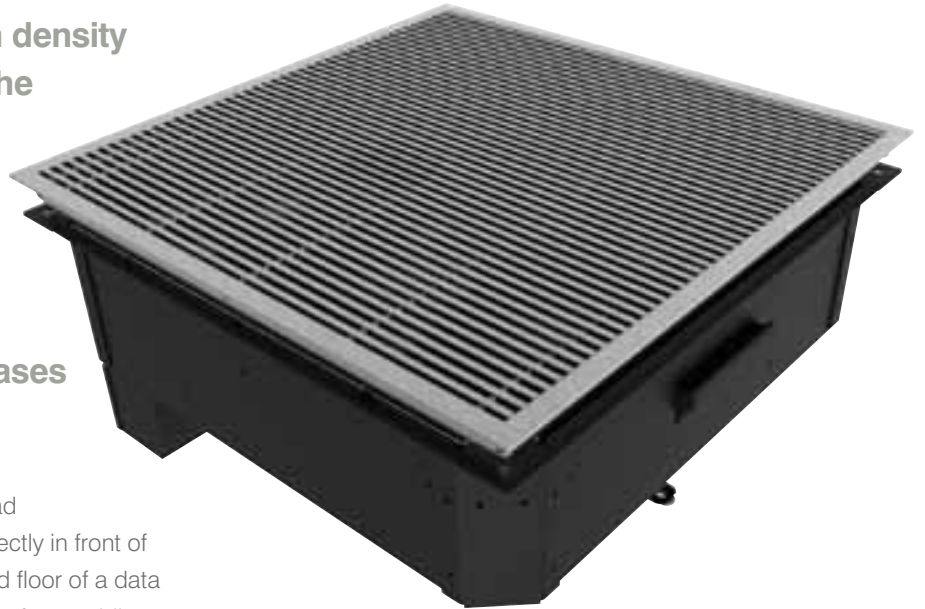


Precision cooling

For high density servers and racks

The AireTile™ is a data centre, air flow management system developed to remove hotspots caused by high density servers and racks and improve the efficiency of aisle containment systems. If sufficient cool air is not supplied to server environments, hotspots can occur which reduces cooling efficiency and significantly increases operating costs.

Highly configurable to suit all data centres and load requirements, the AireTile™ system is installed directly in front of the server rack and easily integrates into the raised floor of a data centre. This makes it an ideal pre or retrofit solution for providing additional conditioned air to high density servers and problem areas within IT / data centre environments.



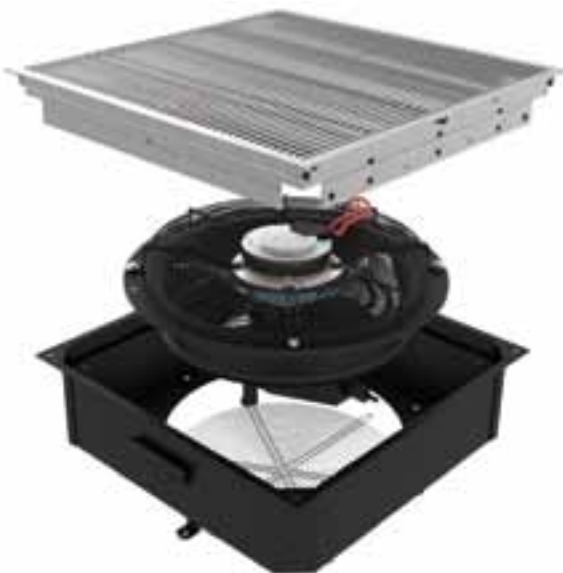
Benefits for your data centre

- Active air distribution maximises cooling efficiency
- Eliminates hotspots; cool air directly targets heat load at source
- Reduces system running costs
- Perfect for high density server population
- Ideal data centre retrofit solution
- Variable fan speed for precise air flow control
- Easy installation; located in floor void in front of server rack

High efficiency EC fans

The latest EC fan technology has been used within the AireTile™ to provide even greater control, helping to increase efficiency and reduce noise. EC fans offer variable speed control which matches to load requirements and also provides lower air flow resistance, which reduces fan power input and energy consumption.

The AireTile™ offers two EC fan options; a low air flow fan and a high air flow fan. The low air flow fan option provides a cost effective solution for medium to high density applications which have an air flow requirement of less than 0.74m³/s. The high air flow fan option has been designed to cool even the most densely populated servers and has an air flow capacity of up to 1.2m³/s, which easily provides sufficient air flow to cool servers with up to a 30kW heat load.



Controls options

The AireTile™ can be effectively managed to automatically switch on when additional cooling is necessary, ensuring that any cooling is not surplus to requirement. Four model types with multiple hardware and controls options ensure that the AireTile™ best meets application needs.

Models are differentiated by type of control, controller hardware used and sensors included. Most units in the range can be networked via intelligent controls (up to 64 units) and managed by a master unit with several networked slave units.

Key Features

- **Four model types**
Offer different levels of functionality
- **Two fan types**
Low air flow EC fan (<0.74m³/s) or high air flow EC fan (1.2m³/s)
- **Multiple controls options**
- **Integrated floor grille**
Supplied with unit
- **Units can be standalone or networked via intelligent controls**
Up to 64 units – model dependent
- **Two power supplies as standard**
-0 (230V/1Ph/50Hz), -1 (220V/1Ph/60Hz)
- **Sits on raised access floor pedestals within floor void**
Requires minimal floor depth of 300mm (temperature control) 400mm (constant air volume)

Heavy duty grilles

Heavy duty integrated floor grilles, which are placed over the top of the AireTile™, are supplied with all units to effectively and evenly distribute conditioned air to the data centre. Two grille options are available; a standard heavy duty grille and an extra heavy duty version. Both grilles conform to BS EN 13264:2001 load ratings and are suitable for use with a range of raised access floors.

Mechanical Data 230V 50Hz -0	Units	High Airflow	Low Airflow
Motor Type		EC	EC
Nominal Airflow	m ³ /s	1.2	0.74
Fan Power (@ nominal airflow)	W	250	120
Dimensions (Temperature Control)	mm	250 x 595 x 595 (h x w x l)	250 x 595 x 595 (h x w x l)
Dimensions (Constant Air Volume Control)	mm	380 x 595 x 595 (h x w x l)	380 x 595 x 595 (h x w x l)

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